

CONSULTANT FOR TETRA FINO PROJECT
for Mahanand On Site Aseptic Plant Project & Plant Operations

We, the MAHARASHTRA RAJYA SAHAKARI DUDH MAHASANGH MARYADIT (MRSDMM) is engaged in the activity of milk collection, processing, marketing and also promoting milk production in the state of Maharashtra. We are now setting up a state of the art facility for Aseptic Packaging Plant, i.e. "Tetra Fino", at our Mahanand Dairy, Goregaon Unit.

We are looking for a "Technical Consultant" having expert knowledge and know-how in the field of Project handling, designing, installation, commissioning, operation etc. of **UHT Sterilizer and Aseptic packaging machines for white milk, Chocolate Milk, Lassi.**

The profile of the person we are looking for :-

Qualification :- B. Tech. (Dairy/ food Technology) preferably.

Experience :- 15-20 yrs. relevant experience in the field mentioned above.

Expectation :- Aseptic Plant Commissioning Consultancy with respect to utilities using Project.
Management Setting up Quality Routines in plant
To provide Training plant operators & other personnel
Running the plant for 1 yr. after commission

A) AREAS OF OPERATION

(I.) MRSDMM has already completed the following tasks in this respect:-

- i. Order of processing equipments to M/S. Tetra Pak India Pvt. Ltd., Pune, viz., Sterilizer, filling machine, homogenizer, CIP for these machines, etc.
- ii. Boiler for the requirement of Tetra Fino project, including the requirement of existing dairy.
- iii. Water softening plant.
- iv. Cooling tower.
- v. Electrical work
- vi. Diesel generator set.
- vii. Air compressors.

(II.) MRSDMM expects Consultant to provide his expertise on all the aspects related to the "Tetra Fino" project, as follows, but not limiting to :

1. Co-ordinate with supplier for forming P.T.S. (Project Time Schedule).
2. Check and verify aspects and parameters of UHT Plant Scope.
3. Coordination for correct and timely supply of UHT Plant machinery.
4. Coordinating and arranging for Plant Layout, Machinery Selection, from architects and various utility/ machinery suppliers
5. Inspection of Machinery at manufacturer's site to ensure proper working and interfacing with other ordered equipment.
6. Supervision for Erection & Commissioning:
7. Arranging Training for Mahanand operators on efficient use of plant.
8. Providing necessary supervisory & maintenance support services for the projects executed. This would include sourcing necessary competent manpower for this work and establishing necessary systems/ processes at MRSDMM.
9. Any other areas/initiatives arising out of interaction in relation to the project.

10. Working with MRSDMM to evolve necessary interaction organization structure for implementation / growth of project business

B) THE SCOPE OF WORK (It shall encompass following responsibilities):-

1. To check and verify the **UHT** plant to –
 - Receive 40,000 ltr. of milk per day in milk tankers
 - Cool and store the milk in Silos
 - Process , Standardize and store the pasteurized milk
 - Pack Tetra Fino Milk Pouch in Bulk & Retail pack
2. To check and verify the Complete **UHT Sterilizer and Aseptic packaging machines for white milk, Chocolate Milk, Lassi Packaging system.**
3. **To set up Aseptic Plant Quality Routines**
3. To check and verify the Cleaning In Place (**CIP**) system for the complete plant and incoming milk tankers
4. To check and verify the Estimate system to receive and distribute Power and check and verify Lighting of the complete UHT Sterilizer and Aseptic packaging machines and premises
5. To check and verify the Estimate & design of the system to raise and distribute steam.
6. To check and verify the Estimate & design system to evacuate, treat and distribute water for processing need and general utilities
7. To Estimate & check and verify refrigeration system to cool milk and cater to other chilling and cold storage loads
8. To check and verify the Estimate & design of the system to generate and distribute compressed air.
9. To check and verify the Estimate to treat the drier and utilities etc.

10. To check and verify the estimate of the building requirement for dairy and utilities and conceptualize the building design, roads, compound wall and affiliated structures for smooth operation of plant
11. To assist for Preparation of the tender documents based on the approved design basis as above and assist Dairy Management in floating them
12. To assist the Evaluation the bids received and make recommendations based on the technical aspects, qualitative aspects, energy efficiency and commercial merits
13. Firm up the requirements for ensuring the smooth functioning of the plant on commissioning
14. To assist the Dairy Management in preparation and placement of the order
15. To assist in Evaluation and approval of the concepts, designs and drawings of the successful bidder's before execution of the job.
16. Extend management back up during the implementation of the project and ensure Time & Quality of the task executed from time to time.
17. Submit Progress report to the Dairy Management.
18. Prepare Organization Structure for Plant and assist Management in selection and placement of people.
19. Plan and Organize training of personnel on the job and off the job.
20. Certify and recommend the work under execution in various areas for payment.
21. Conduct performance trials of equipment, process and plant in accordance with the laid down parameters, specifications and rated capacity
22. To assist in design the State of Art Automation system with DC System with predictive controls

23. All other associated works for ensuring smooth operation of Tetra Fino Aseptic Packaging unit.
24. Recommend and arrange rectification of any short fall in any equipment performance
25. You will complete all the necessary work, as per MRDMM procedure, required for purchasing, installation, commissioning up to payment recommendation for the items / works, which are not done yet.
26. You will extend assistance in trouble shooting/ teething problem resolving and fine tuning of the plant for a Period of **12 months** from the date of commissioning
27. You will be evolving, conceptualizing, developing and supervising the implementation of the complete project on Turn Key basis.
28. You will report to the Project Team Leader appointed by the Dairy Management.
29. All communications will be routed through him from either side to ensure flaw less communication.
30. You will prepare realistic Time schedule for Civil, mechanical and Electrical contractors and ensure smooth co-ordination between them.
31. Dairy Management will extend all the requisite assistance in obtaining timely Statutory and legal clearances deemed necessary from time to time. It will also ensure free and timely flow of funds to ensure timely execution of the project.

C) PROJECT DURATION:-

The project shall be completed up to 31st March 2012.

D) EXCLUSIONS:-

- Land purchase and making it worth construction (rocky land or ravines)
- Office furnishing
- Communication system

- Computers and LAN for non production area
- Disposal of treated effluent beyond out let of ETP
- Gardening beyond land development
- Overseas Inspection of plant and machinery
- Consequent Liability in case of any accident

E) COMMERCIAL TERMS:-

For providing the above mentioned services Mahasangh shall pay the **fixed amount**.

a) Payment Schedule

Sr. No.	Percentage of payment to be	Completion period in months	Physical work achieved of project
1	10%	Initial payment along with Agreement	Initial payment
2	15 %	3 months	Physical achievement up to 90% of project cost and receiving all machinery at site.
3	25%	6 months	Completion of the project .
4	25%	12 months	Arranging the training of Mahanand operators on efficient use of plant.
5	25%	18 months	To evolve necessary interaction organization structure for implementation/Growth of project business.

The advance account will be reconciled / settled after regular interval but not later than a year.

- b) **If the execution of the work is delayed only do to negligence or non performance of the responsibility by the consultant a penalty up to Rs.25,000/- per month can be levied on the consultant (exact**

amount to be decided by M.D. Mahanand in each case) and the same shall be deducted from the fee payable to the consultant.

- c) If work mentioned in the above table is not achieved by the Consultant as per schedule mentioned above payment can be withheld.**
- d) The Mahasangh shall be authorized to deduct all applicable taxes from the payments made to the consultant's from time to time.
- e) Period for providing all the above mentioned services shall be of 18 months. In the event project of installation, conducting trials of complete Aseptic Packaging Unit Plant, is not complete within the said consultancy period, the consultant shall continue to render their services (without asking for any additional consideration) till such time the installation, commissioning and trial runs of complete **UHT Sterilizer and Aseptic packaging Unit Plant** are not complete to the satisfaction of Mahasangh. However the consultant shall not be liable to render the above mentioned services beyond period of 18 months. If Mahasangh desires to have consultancy services beyond the said period of 18 months, Mahasangh and the consultant may mutually decide amount of consideration.
- f) The consultant shall ensure that Mahasangh will not be put to any financial loss because of incorrect, improper advice and/or service given by the consultant. In the event Mahasangh suffers any financial losses the consultant shall be responsible for compensating such financial losses. The quantum of financial losses suffered by the Mahasangh shall be worked out by the team of two chartered accountants, each appointed by Mahasangh and consultant.

- g)** The consultant shall respond immediately to the instructions, queries and directions received from the Managing director and/or his authorized representatives. The services provided by the consultant shall be on **24 hours** call on basis.
- h)** The consultant shall have to appoint adequate manpower at his own cost for his own assistance so as to ensure that no delay is caused on account of non availability of sufficient manpower. The consultant shall be solely responsible for observance of all relevant Laws in the matter of the staff employed by him for the purpose of assistance to him, Mahasangh shall not be responsible for any non-compliance of relevant rules under the respective Acts by the consultant.
- i)** Mahasangh will be engaging various suppliers, contactors, consultants etc in respect of the above project, the consultant shall have to coordinate with the suppliers, contactors, consultants etc engaged by the Mahasangh. In the event of any difference of opinion between the consultant and suppliers/contactors, consultants, decision taken by the Mahasangh shall be binding on consultant and the supplier/contactors.
- j)** The consultant and or his employees shall not at any time during after the term of divulge or allowed to be divulged to any third party, any information, (including, but not limited to, any information relating to the accounts, finance, contractual arrangement, products, contact information in respect of the suppliers and contactors engaged by Mahasangh).

- k)** The consultant shall not directly and or indirectly utilize the knowledge, information, designs etc., for any third party with or without consideration.
- l)** In the event of breach of any of the terms and conditions by the consultant and or if the Mahasangh is not satisfied with the services provided by the consultant, Mahasangh shall be entitled to terminate by giving **24** hours notice in writing to the consultant. Without prejudice to the above provision of termination, Mahasangh shall be at liberty to terminate the segment by giving one week and once notice in writing to the consultant. Similarly the consultant will also be entitled for terminating by giving one months advance notice in writing to the Mahasangh. In the event of termination under the above mentioned conditions and or because of end of contract period, the consultant shall have to return all designs, documents, noting etc to the Mahasangh and unless it is done, consultant shall not be discharged from his obligations under this agreement.
- m)** The consultant shall at his own cost pay stamp duty charges and registration charges payable under the relevant law.
- n)** Any dispute, controversy or claim arising out of or relating to or in connection with this agreement, or the breach, termination or validity thereof shall be referred to arbitral tribunal of two arbitrators one appointed by each party, two arbitrators shall appoint umpire, arbitration proceedings shall be conducted in accordance with the provisions of Indian Arbitration and Conciliation Act 1956.